

1895

BELT DRIVEN AIR COMPRESSORS

MANUFACTURED BY THE

RAND DRILL COMPANY,

23 PARK PLACE,

New York, U. S. A.



BRANCH OFFICES:

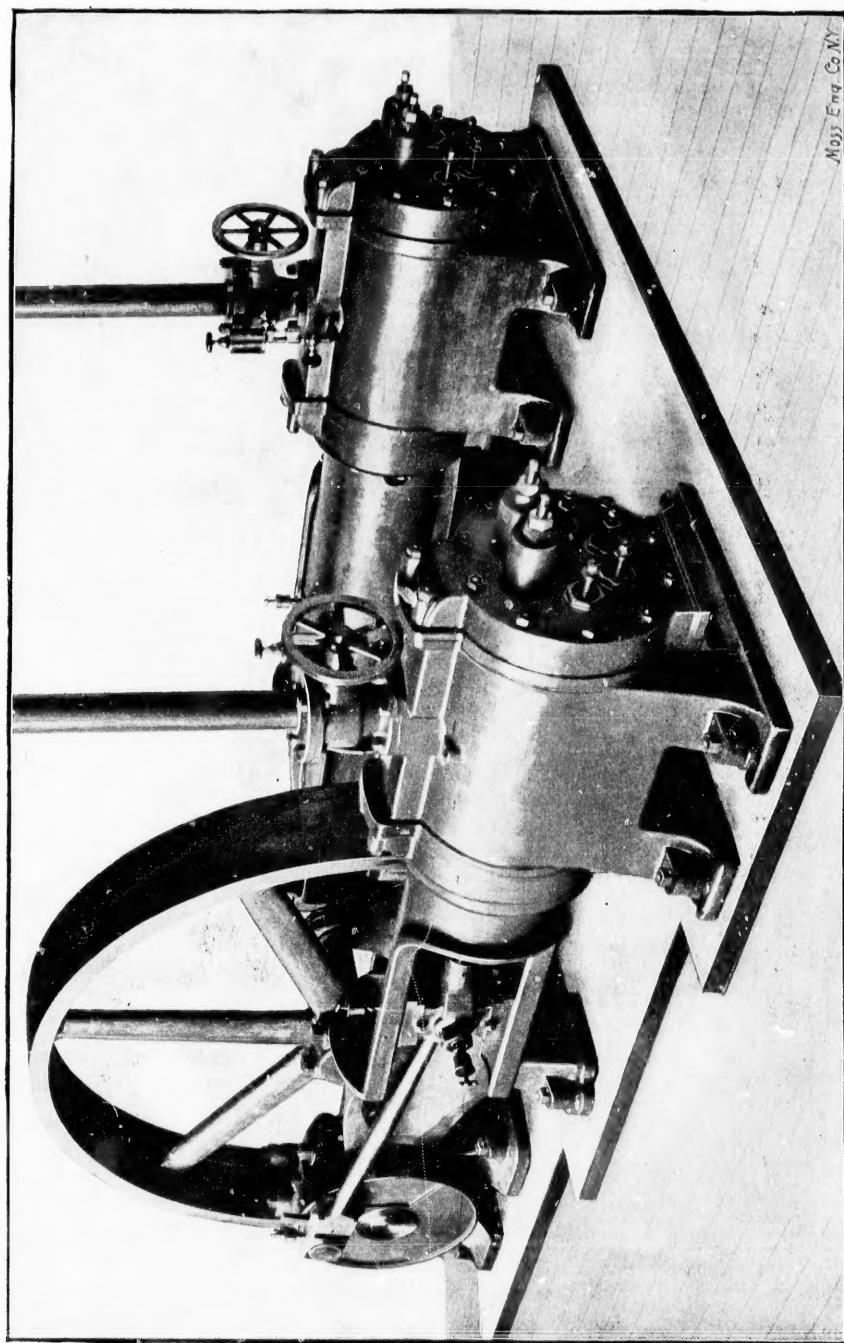
Chicago, 1328 Monadnock Block.	Montreal, 16 Victoria Square.
Boston, 147 Pearl Street.	Halifax, N. S., Halifax Hotel.
San Francisco, 141 First Street.	Rat Portage, Ont.
Denver, 427 17th Street.	Mexico City, Apartado 830.
Helena, Mont.	Valparaiso, Chili.
Butte, Mont., 221 S. Washington St.	Melbourne, Australia.
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Birmingham, Ala.	Johannesberg, South Africa.
Sherbrooke, Que.	

CABLE ADDRESS, - - - - AGEBISHOP.

A B C CODE 4TH EDITION, AND RAND DRILL CO'S CODE.

Duplex Belt Driven Compressor.

The illustration upon the opposite page shows one of our favorite designs for belt driven compressors. The machine will be seen to comprise two of our regular pattern of Corliss frames with an air cylinder attached to each, the whole being driven by a belt pulley mounted upon the crank shaft between the two pillow blocks. To provide for a varying delivery of air where the requirements are liable to fluctuate, we fit these machines with an automatic regulator for throwing out of action one or both cylinders, as the case may be, through connection with their air valves.



Moss Eng. Co. N.Y.

PLATE 88.—DUPLIX BELT DRIVEN COMPRESSOR.

Straight Line Belt Driven Compressor.

The following illustration shows our straight line pattern of belt driven compressor, and is self explanatory. This machine is somewhat cheaper in cost than the Duplex, and for many purposes answers the purpose just as well. Like the Duplex machine, they are fitted, when needed, with automatic regulators acting upon the air valves.

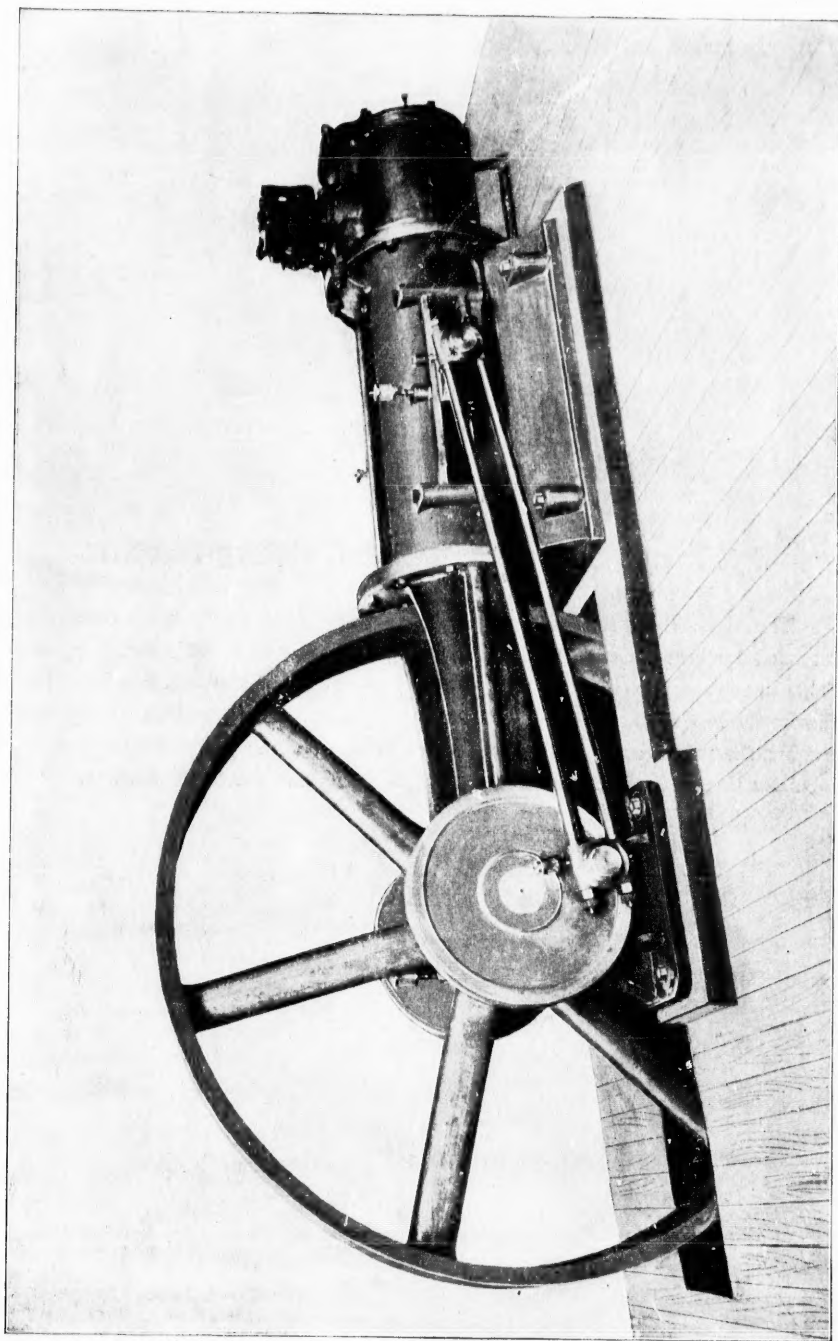


PLATE 105.—STRAIGHT LINE BELT DRIVEN COMPRESSOR.

Belt Driven Compressor with belt shifting regulator.

The next and last illustration shows our pattern of small belt driven compressor intended for situations where the demand for air is subject to wide variation, or is liable to be suspended altogether at times. A regulator will be seen attached which throws the belt upon the loose pulley and stops the machine when the air pressure reaches the point determined upon for its limit. On the pressure dropping, the regulator throws the belt back upon the tight pulley and starts the machine.

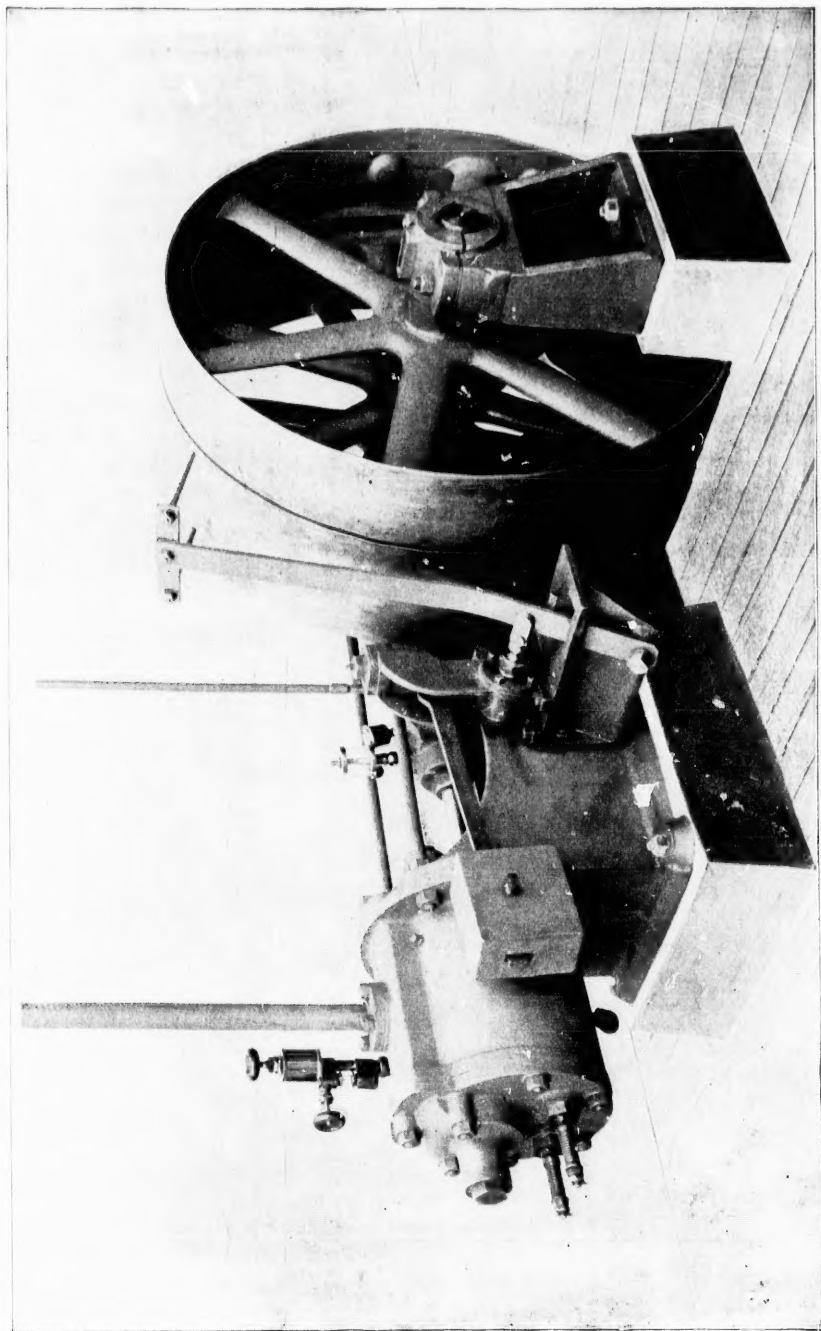


PLATE 103.—BELT DRIVEN COMPRESSOR WITH BELT SHIFTING REGULATOR.

CHICAGO

1893

OFFICIAL RIBBON



Issued by Authority of the

WORLD'S COLUMBIAN EXPOSITION

Geo. R. Davis

Director-General.

John Boyd Thayer

Chairman.

Committee of Awards.

DEPARTMENT E—MINES AND MINING.

A. H. Schiff

CHIEF.

DEPARTMENT F—MACHINERY

David Robinson

CHIEF

TEN AWARDS ON

Duplex Air Compressor, having Compound Cortiss Steam
and Compound Air Cylinders.

High Pressure Compressor.

Straight Line Compressor.

Little Giant and Slinger Rock Drills.

Furnace Tapping Drill.

Tunnel Column and Shaft Bar.

Derby Etc.

Collective Exhibit Air Compressors and Rock Drills.

EXHIBITED BY

RAND DRILL COMPANY,

NEW YORK CITY.